

DECLARATION OF PERFORMANCE

No N,pro-F/1

Unique identification code of the product type: [no. DoP] **termPIR® Pro-F** | d_N [50-220] | type of edges [FIT, LAP, TAG] modular length/width

Manufacturer: Gór-Stal sp. z o.o.; ul. Przemysłowa 11; 38-300 Gorlice, Poland / Place of manufacture: Gór-Stal; ul. Adolfa Mityry 9; 32-700 Bochnia, Poland

Harmonised standard: EN 13165:2012+A2:2016

The system/s of AVCP: 3

Notified body/ies: Notified laboratory no **1488** (ITB, Warszawa, PL); **1454** (IMBiGS, Katowice, PL); **1487** (ICiMB, Kraków, PL).

Intended use/uses: thermal insulation products for buildings;

Declared performances:

essential characteristics	performance	values / classes					
Thermal resistance	Thickness tolerance, class	(50 ≤ d_N < 75 mm): ± 3 mm, T2			(75 < d_N ≤ 220 mm): +5/-3 mm, T2		
	Thermal conductivity, λ_D	0,022 [W/m·K]					
	Thermal resistance, R_D [m ² ·K/W]	50 mm: 2,30	60 mm: 2,75	70 mm: 3,25	80 mm: 3,70	90 mm: 4,15	100 mm: 4,65
		110 mm: 5,10	120 mm: 5,55	130 mm: 6,05	140 mm: 6,50	150 mm: 6,95	160 mm: 7,45
		170 mm: 7,90	180 mm: 8,35	190 mm: 8,85	200 mm: 9,30	210 mm: 9,75	220 mm: 10,2
Reaction to fire (of the product as placed on the market)		Class E					
Durability of reaction to fire against heat, weathering, ageing/degradation	Durability of reaction to fire of the product as placed on the market	NPD; <i>The fire performance of PIR does not deteriorate with time (acc. EN 13165+A2)</i>					
Durability of thermal resistance against heat, weathering, ageing/degradation	Thermal conductivity, λ_D agged values	0,022 [W/m·K]					
	Thermal resistance, R_D [m ² ·K/W] agged values (for thickness d_N)	50 mm: 2,30	60 mm: 2,75	70 mm: 3,25	80 mm: 3,70	90 mm: 4,15	100 mm: 4,65
		110 mm: 5,10	120 mm: 5,55	130 mm: 6,05	140 mm: 6,50	150 mm: 6,95	160 mm: 7,45
		170 mm: 7,90	180 mm: 8,35	190 mm: 8,85	200 mm: 9,30	210 mm: 9,75	220 mm: 10,2
	Durability characteristics	NPD					
Dimensional stability	DS(-20,-)2 / DS(70,90)3						
Deformation under specified compressive load and temper.	NPD						
Compressive strenght	Compressive stress, σ_{10}	(50 ≤ d_N < 140 mm): ≥ 150 kPa, CS(10/Y) 150			(140 ≤ d_N ≤ 220 mm): ≥ 140 kPa, CS(10/Y) 140		
		(50 ≤ d_N ≤ 130 mm): ≥ 80 kPa, TR80			(130 < d_N ≤ 220 mm): ≥ 40 kPa, TR40		
Durability of compressive strenght against ageing/degradation	Compressive creep	NPD					
Water permeability	Long term water absorption	≤ 2 % [kg/kg] / WL(T)2					
	Short term water absorption	NPD					
	Flatness after one-sided wetting	≤ 10 mm / FW2					
Water vapour permeability	Water vapour transmission	Z 5-100					
Acoustic absorption index	Sound absorption	NPD					
Release of dengerous substances to the indoor environment	NPD; <i>European test methods are under development for this characteristic.</i>						
Continuous glowing combustion	NPD; <i>European test methods are under development for this characteristic.</i>						
NPD: No Performance Determined							

Harmonised standard: EN 13165:2012+A2:2016

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Bochnia, 01.07.2024 r.
 place and date of issue

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GŁÓWNY TECHNOLOG
Bartłomiej Bochnia

signature and seal of the authorized person